| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|---|---|---------------------|---------|------------------|
| L1 | 299 | "L21" and fiber\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 11:59 |
| L2 | 25 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) and ((film with coat\$5) same monitor\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:00 |
| L3 | 12 | ((((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) and ((film with coat\$5) same monitor\$4)) not (((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and ((film with coat\$5) same monitor\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:01 |
| L4 | 107 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:05 |
| L5 | 24 | ((385/31-38,138).ccls.) and (thin with film\$1 with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:06 |

| L6 | 24 | (((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and ((film with coat\$5) same monitor\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:06 |
|----|----|--|---|----|-----|------------------|
| L7 | 7 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and ((thin with film\$1 with monitor\$6).ti.) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:06 |

| L8 | 86 | (((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/12/01 12:06 |
|----|----|--------------------------------------|-----------|----------|-----|------------------|
| | • | monitor\$6).ti.) or (("5412743" | USPAT; | | | |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | | | |
| | | "6194240" "5446809" "6393172" | DERWENT | | | |
| | | "6603902" "6647046" "6744941" | | | | |
| | | "5394488" "5619603" "5668901" | | | | |
| | | "5889899" "6111996" "6144783" | | | | |
| | | "6208773" "6243514" "5475780" | |] | | |
| | | "5570440" "4911516" "5832148" | | 1 | | |
| | | "4860294" "5457760" "5915051" | | | | |
| | | "6052497" "4773063" "4815081" | | | | |
| | | "5818986" "5838714" "5978530" | | | | |
| | | "6014480" "5515462" "5712932" | | | | |
| | | "5732102" "5796764" "5946129" | | 1 | | |
| | | "6041070" "6228670" "4923271" | | | | |
| | | "5228103" "5457758" "5528616" | | 1 | | |
| | i | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | | | |
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| | | "6069985").pn. ("6122430" | | 1 | | |
| | | "6185230" "4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693" | | | | |
| | | "5608571" "5647040" "5699468" | | | | |
| | | "5706375" "5737104" "5742714" | | | | |
| | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | 1 | | |
| | | "6125222" "6146713" "6178045" | | | | |
| | | "6195200" "6238485" "6238729" | | | | |
| | | "6289699" "6292599" "6295149" | | <u>'</u> | | |
| | | "6295304" "6301272" "6321001" | | ľ | | |
| | | "6321008" "6327406" "6345136" | | | | |
| | | "6353690" "6360038" "6374019" | | | | |
| | | "6430341" "6445851" "6522812" | | ŀ | | |
| | | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | | |
| | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | | | | |
| | | US-4311725-\$.DID. OR | , | | | |
| | | US-5000575-\$.DID. OR | | | | • |
| | | US-5153669-\$.DID. OR | - | | | |
| | | , | | | | |
| | | US-5241366-\$.DID. OR | | | | |
| | 1 | US-5425964-\$.DID. OR | | | | |
| | [| US-5523882-\$.DID. OR | | | | |
| | 1 | US-5684574-\$.DID. OR | | | | |
| | | US-5923429-\$.DID. OR | | | 1 | |
| | | US-6039806-\$.DID. OR | | | | |
| | | US-6110337-\$.DID. OR | | | 1 | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.)) and | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1) | | 1 | | |

| L9 | 15 | (((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1))) and ((film with coat\$5) same monitor\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:07 |
|-----|-----|--|---|----|-----|------------------|
| L10 | 590 | ((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:07 |
| L11 | 1 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or wave\$guide\$1) and (fiber\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:07 |
| L12 | 1 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:07 |

| 112 | 103 | /// ab a sub a | LIC DCDLID | 00 | 055 | 2004/42/04 42 07 |
|-----|-----|---|---|----|-----|------------------|
| L13 | 192 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or door\$1 or opening\$1 or window\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) not ((((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and ((film with coat\$5) same monitor\$4)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:07 |
| L14 | 192 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:07 |

| , | | <u></u> | | | | |
|-----|-----|---|---|----|-----|------------------|
| L15 | 10 | ((((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and ((film with coat\$5) same monitor\$4)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:07 |
| L16 | 191 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/12/01 12:08 |
| S1 | 14 | US-3824017-\$.DID. OR US-4140078-\$.DID. OR US-4311725-\$.DID. OR US-5000575-\$.DID. OR US-5153669-\$.DID. OR US-5241366-\$.DID. OR US-5425964-\$.DID. OR US-5523882-\$.DID. OR US-5684574-\$.DID. OR US-6039806-\$.DID. OR US-6039806-\$.DID. OR US-6278809-\$.DID. OR US-6278809-\$.DID. OR | USPAT | OR | OFF | 2004/09/16 08:15 |

| S2 | 100 | ("E412742" "E9E2600" "E9E2699" | USPAT | OR | OFF | 2004/09/16 09:23 |
|----|-----|--|-----------|----|-----|------------------|
| 32 | 100 | ("5412743" "5852690" "5852688" "6041071" "6194240" "5446809" | USPAT | UK | UFF | 2004/09/10 09:23 |
| | | "6393172" "6603902" "6647046" | | | | |
| | | 6393172 6603902 6647046 "6744941" "5394488" "5619603" | | | | |
| | | "5668901" "5889899" "6111996" | | | | |
| | | "6144783" "6208773" "6243514" | | | | |
| | | "5475780" "5570440" "4911516" | | | | |
| | | 5475780 5570440 4911516 "5832148" "4860294" "5457760" | | | | |
| | | 1 | | | | |
| | | "5915051" "6052497" "4773063" | | | | |
| | | "4815081" "5818986" "5838714" | | | | |
| | | "5978530" "6014480" "5515462" | | | | |
| | | "5712932" "5732102" "5796764" | | | | |
| | | "5946129" "6041070" "6228670" | | | | |
| | | "4923271" "5228103" "5457758" | , | | | |
| | | "5528616" "5636304" "5694248" | | | - | · |
| | | "5712715" "5721802" "5926599" | | | | , |
| | | "6005992" "6069985").pn. | | | | |
| 1 | | ("6122430" "6185230" "4881791" | | | 1 | |
| | | "4946245" "4978187" "5416866" | | | | |
| | | "5565693" "5608571" "5647040" | | | | |
| | | "5699468" "5706375" "5737104" | | | | |
| | | "5742714" "5770466" "5805751" | | | | |
| | | "5872649" "6008675" "6023545" | | | , | |
| | | "6101210" "6125222" "6146713" | | | | |
| | | "6178045" "6195200" "6238485" | | | | |
| | | "6238729" "6289699" "6292599" | | | | |
| | | "6295149" "6295304" "6301272" | | | | |
| | | "6321001" "6321008" "6327406" | | | | |
| | | "6345136" "6353690" "6360038" | | | | |
| | | "6374019" "6430341" "6445851" | | | | |
| | | "6522812" "6567573" "6571034" | | | | |
| | | "6574391" "6600852" "6643424" | | | | |
| | | "6771857" "5351262" "5760419" | | | | |
| | | "5894533" "4852960").pn. | | | | |
| S3 | 419 | (thin with film\$1 with monitor\$6). | US-PGPUB; | OR | OFF | 2004/09/16 09:32 |
| | | ti. | USPAT; | | | 7 7 |
| | | | EPO; JPO; | | | |
| | | | DERWENT | | | |

| S4 | 531 | ((thin with film\$1 with monitor\$6). | US-PGPUB; | OR | OFF | 2004/09/16 09:32 |
|----|-----|---------------------------------------|-----------|----|-----|------------------|
| | | ti.) or (("5412743" "5852690" | USPAT; | | | |
| | 1 | "5852688" "6041071" "6194240" | EPO; JPO; | | | |
| | - | "5446809" "6393172" "6603902" | DERWENT | | | |
| | • | "6647046" "6744941" "5394488" | ! | • | | |
| | | "5619603" "5668901" "5889899" | | | | |
| | | "6111996" "6144783" "6208773" | | | , | , |
| | | "6243514" "5475780" "5570440" | | | | |
| | | "4911516" "5832148" "4860294" | | | | |
| | | "5457760" "5915051" "6052497" | | | | |
| | | "4773063" "4815081" "5818986" | | | | |
| | | "5838714" "5978530" "6014480" | | | | |
| | | "5515462" "5712932" "5732102" | | | | |
| | | "5796764" "5946129" "6041070" | | | | |
| | | "6228670" "4923271" "5228103" | | | | |
| | | "5457758" "5528616" "5636304" | | | | |
| | | "5694248" "5712715" "5721802" | | | | |
| | | "5926599" "6005992" "6069985"). | | | | |
| | | pn. ("6122430" "6185230" | | | | |
| | | "4881791" "4946245" "4978187" | | , | | |
| | | "5416866" "5565693" "5608571" | | | | |
| | | "5647040" "5699468" "5706375" | | | | |
| | | "5737104" "5742714" "5770466" | | | | , |
| | | "5805751" "5872649" "6008675" | | | | |
| | | "6023545" "6101210" "6125222" | | | , | |
| | | "6146713" "6178045" "6195200" | | | | |
| | | "6238485" "6238729" "6289699" | | | | |
| | | "6292599" "6295149" "6295304" | | | | |
| | | "6301272" "6321001" "6321008" | | | | |
| | | "6327406" "6345136" "6353690" | | | | |
| | | "6360038" "6374019" "6430341" | | | | |
| | | "6445851" "6522812" "6567573" | | | | |
| | | "6571034" "6574391" "6600852" | | | | |
| | | "6643424" "6771857" "5351262" | | | · · | |
| | | "5760419" "5894533" "4852960"). | | | | |
| | | pn.) or (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | | | | , |
| | - | US-4311725-\$.DID. OR | , | | | |
| | 1 | US-5000575-\$.DID. OR | | | | |
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| | | US-5684574-\$.DID. OR | | | | |
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| | | US-6039806-\$.DID. OR | : | | , | |
| | | US-6110337-\$.DID. OR | | | | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.) | | | | |

| 15 ((((thin with film\$1 with monitor\$6).ti.) or (("5412743" "5852690" "5852688" "6041071" "6194240" "5446809" "6393172" "6603902" "6647046" "6744941" "5394488" "5619603" "5668901" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/16 09:46 |
|---|---|--|---|--|
| "5852690" "5852688" "6041071" "6194240" "5446809" "6393172" "6603902" "6647046" "6744941" | EPO; JPO; | | | |
| "6194240" "5446809" "6393172" "6603902" "6647046" "6744941" | | | | |
| "6603902" "6647046" "6744941" | DERWENT | | | |
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| "5204400" "5610602" "5660001" | | | | |
| 1 2234400 201300 2006901 | | | | |
| "5889899" "6111996" "6144783" | | | | |
| "6208773" "6243514" "5475780" | | | | |
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| "6125222" "6146713" "6178045" | | | | |
| "6195200" "6238485" "6238729" | | | | |
| "6289699" "6292599" "6295149" | • | | | |
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| US-6278809-\$.DID. OR | | | | |
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| | "6052497" "4773063" "4815081" "5818986" "5838714" "5978530" "6014480" "5515462" "5712932" "5732102" "5796764" "5946129" "6041070" "6228670" "4923271" "5228103" "5457758" "5528616" "5636304" "5694248" "5712715" "5721802" "5926599" "6005992" "6069985").pn. ("6122430" "6185230" "4881791" "4946245" "4978187" "5416866" "5565693" "5608571" "5647040" "5699468" "5706375" "5737104" "5742714" "5770466" "5805751" "5872649" "6008675" "6023545" "6101210" "6125222" "6146713" "6178045" "6195200" "6238485" "6238729" "6289699" "6292599" "6295149" "6295304" "6301272" "6321001" "6321008" "6327406" "6345136" "6353690" "6360038" "6374019" "6430341" "6445851" "6522812" "6567573" "6571034" "6574391" "6600852" "6643424" "6771857" "5351262" "5760419" "5894533" "4852960").pn.) or (US-3824017-\$.DID. OR US-4140078-\$.DID. OR US-4311725-\$.DID. OR US-5153669-\$.DID. OR US-5523882-\$.DID. OR US-5923429-\$.DID. OR US-5923429-\$.DID. OR US-5923429-\$.DID. OR US-56338775-\$.DID. OR US-6338775-\$.DID. OR US-6110337-\$.DID. OR US-6278809-\$.DID. OR US-6278809-\$.DID. OR US-6338775-\$.DID. OR | "6052497" "4773063" "4815081" "5818986" "5838714" "5978530" "6014480" "5515462" "5712932" "5732102" "5796764" "5946129" "6041070" "6228670" "4923271" "5228103" "5457758" "5528616" "5636304" "5694248" "5712715" "5721802" "5926599" "6005992" "6069985").pn. ("6122430" "6185230" "4881791" "4946245" "4978187" "5416866" "5565693" "5608571" "5647040" "5699468" "5706375" "5737104" "5742714" "5770466" "5805751" "5872649" "6008675" "6023545" "6101210" "6125222" "6146713" "6178045" "6195200" "6238485" "6238729" "6289699" "6292599" "6295149" "6295304" "6301272" "6321001" "6321008" "6327406" "6345136" "6353690" "6360038" "6374019" "6430341" "6445851" "6522812" "6567573" "6571034" "6574391" "6600852" "6643424" "6771857" "5351262" "5760419" "5894533" "4852960").pn.) or (US-3824017-\$.DID. OR US-4140078-\$.DID. OR US-4140078-\$.DID. OR US-5153669-\$.DID. OR US-5523882-\$.DID. OR US-5523882-\$.DID. OR US-5523882-\$.DID. OR US-552382-\$.DID. OR US-552382-\$.DID. OR US-552382-\$.DID. OR US-5523877-\$.DID. OR US-564574-\$.DID. OR US-564574-\$.DID. OR US-56278809-\$.DID. OR US-6110337-\$.DID. OR US-6278809-\$.DID. OR US-6278809-\$.DID. OR US-6278809-\$.DID. OR US-6278809-\$.DID. OR US-6278809-\$.DID. OR US-6110337-\$.DID. OR US-6110337-\$.DID. OR US-6278809-\$.DID. OR US-6110337-\$.DID. OR US-6110337-\$.DID. OR US-6278809-\$.DID. OR US-6110337-\$.DID. OR | "6052497" "4773063" "4815081" "5818986" "5838714" "5978530" "6014480" "5515462" "5712932" "5732102" "5796764" "5946129" "6041070" "6228670" "4923271" "5228103" "5457758" "5528616" "5636304" "5694248" "5712715" "5721802" "5926599" "6005992" "6069985"),pn. ("6122430" "6185230" "4881791" "4946245" "4978187" "5416866" "5565693" "5608571" "5647040" "5699468" "5706375" "5737104" "5742714" "5770466" "5805751" "5872649" "6008675" "6023545" "6101210" "6125222" "6146713" "6178045" "6195200" "6238485" "6238729" "6289699" "6292599" "6295149" "6295304" "6301272" "6321001" "6321008" "6327406" "6345136" "6353690" "6360038" "6374019" "6430341" "6445851" "6522812" "6567573" "6571034" "6574391" "6600852" "6643424" "6771857" "5351262" "5760419" "5894533" "4852960"),pn.) or (US-3824017-\$,DID. OR US-4140078-\$,DID. OR US-4140078-\$,DID. OR US-5153669-\$,DID. OR US-5241366-\$,DID. OR US-524386-\$,DID. OR US-523882-\$,DID. OR US-6110337-\$,DID. OR US-6193906-\$,DID. OR US-6338775-\$,DID. OR US-619397-\$,DID. OR US-619397-\$,DID. OR US-619397-\$,DID. OR US-619397-\$,DID. OR US-619397-\$,DID. OR US-619397-\$,DID. OR | "6052497" "4773063" "4815081" "5818886" "5838714" "5978530" "6014480" "5515462" "5712932" "5732102" "5796764" "5946129" "6041070" "6228670" "4923271" "5228103" "5457758" "5528616" "5636304" "5694248" "5712715" "5721802" "5926599" "6005992" "6069985").pn. ("6122430" "6185230" "4881791" "4946245" "4978187" "5416866" "5565693" "5608571" "5647040" "5699468" "5706375" "5737104" "5742714" "5770466" "5805751" "5872649" "6008675" "6023545" "6101210" "6125222" "6146713" "6178045" "6195200" "6238485" "6238729" "6289699" "6292599" "6295149" "6321008" "6327406" "6345136" "6353690" "6360038" "6374019" "6430341" "6445851" "6522812" "6567573" "6571034" "6574391" "6600852" "6643424" "6771857" "5351262" "5760419" "5894533" "4852960").pn.) or (US-3824017-\$.DID. OR US-4140078-\$.DID. OR US-5153669-\$.DID. OR US-5241366-\$.DID. OR US-524386-\$.DID. OR US-5243882-\$.DID. OR US-5243882-\$.DID. OR US-5243889-\$.DID. OR US-524389-\$.DID. OR US-523889-\$.DID. OR US-6278809-\$.DID. OR US-638775-\$.DID. OR |

| S6 | 2 | ((((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/09/16 09:40 |
|----|---|--------------------------------------|-----------|----|-----|------------------|
| | | monitor\$6).ti.) or (("5412743" | USPAT; | | | |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | | İ | |
| | | "6194240" "5446809" "6393172" | DERWENT | | | |
| | | "6603902" "6647046" "6744941" | | | | |
| | | "5394488" "5619603" "5668901" | | | | |
| | | "5889899" "6111996" "6144783" | | | | |
| | | "6208773" "6243514" "5475780" | | | | |
| | , | "5570440" "4911516" "5832148" | | | | |
| | | "4860294" "5457760" "5915051" | | | | |
| | | "6052497" "4773063" "4815081" | | | 1 | |
| | | "5818986" "5838714" "5978530" | | | | |
| | | "6014480" "5515462" "5712932" | | | | |
| | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | |] | | |
| | | "5228103" "5457758" "5528616" | | | | |
| | | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | | | |
| , | * | "6069985").pn. ("6122430" | | İ | | |
| | | "6185230" "4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693" | | | | |
| | | "5608571" "5647040" "5699468" | | | | |
| | | "5706375" "5737104" "5742714" | | |] . | |
| | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | | | |
| ļ | | "6125222" "6146713" "6178045" | | | | |
| | | "6195200" "6238485" "6238729" | _ | | | |
| | | "6289699" "6292599" "6295149" | | | | |
| | | "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | | | | |
| İ | | "6353690" "6360038" "6374019" | | | | |
| | | "6430341" "6445851" "6522812" | | | | |
| | | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | , | | | |
| | | "5351262" "5760419" "5894533" | | | ļ | |
| | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | } | |
| | | US-4140078-\$.DID. OR | | ļ | 1 | |
| | | US-4311725-\$.DID. OR | | | | · i |
| | - | US-5000575-\$.DID. OR | | | | |
| | | US-5153669-\$.DID. OR | | | | |
| | | US-5241366-\$.DID. OR | | | | |
| | | US-5425964-\$.DID. OR | | | | |
| | | US-5523882-\$.DID. OR | | | | |
| | | US-5684574-\$.DID. OR | | | | |
| | | US-5923429-\$.DID. OR | | | | |
| | | US-6039806-\$.DID. OR | | | | |
| | | US-6110337-\$.DID. OR | | | | |
| | | · | | | | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.)) and | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1)) and (collimator\$1 | | | | |
| | | or ferrule\$1 or ferule\$1) and | | | | |
| | - | (fiber\$1 or wave\$guide\$1 or pipe) | | | | |

| S7 | 92 | (((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/09/16 10:06 |
|----|-------|--------------------------------------|----------------------|-----|-----|------------------|
| 0, | , ,,, | monitor\$6).ti.) or (("5412743" | USPAT; | 013 | 011 | 2004/05/10 10:00 |
| | | "5852690" "5852688" "6041071" | | | | |
| | | "6194240" "5446809" "6393172" | EPO; JPO; DERWENT | | | |
| |] | "6603902" "6647046" "6744941" | DEKWENT | | | |
| | | | | | | |
| | | "5394488" "5619603" "5668901" | | | | |
| | | "5889899" "6111996" "6144783" | | | | |
| İ | | "6208773" "6243514" "5475780" | | | | |
| | | "5570440" "4911516" "5832148" | | | | |
| | | "4860294" "5457760" "5915051" | | : | l . | |
| | | "6052497" "4773063" "4815081" | | | | , |
| | | "5818986" "5838714" "5978530" | | | | |
| | | "6014480" "5515462" "5712932" | | | | |
| | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | | | | |
| | | "5228103" "5457758" "5528616" | | | | |
| | | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | | | |
| | | "6069985").pn. ("6122430" | | | | |
| | : | "6185230" "4881791" "4946245" | | | | 1 |
| | | "4978187" "5416866" "5565693" | | | | |
| | | "5608571" "5647040" "5699468" | | | | |
| | İ | "5706375" "5737104" "5742714" | | | | , |
| | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | | | |
| | | "6125222" "6146713" "6178045" | | | | |
| | | "6195200" "6238485" "6238729" | | | | |
| | | | | | | |
| | | "6289699" "6292599" "6295149" | | | | |
| | | "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | : | | | |
| | | "6353690" "6360038" "6374019" | | | İ | |
| | | "6430341" "6445851" "6522812" | | | | |
| l | 1 | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | 1 | • |
| , | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | | | | |
| | | US-4311725-\$.DID. OR | ٠ | | | |
| | | US-5000575-\$.DID. OR | | | | |
| |] | US-5153669-\$.DID. OR | | | | |
| |] | US-5241366-\$.DID. OR | | | | |
| | | US-5425964-\$.DID. OR | | | | |
| | | US-5523882-\$.DID. OR | | | | . |
| | | US-5684574-\$.DID. OR | | | | |
| · | | US-5923429-\$.DID. OR | | | | |
| | | US-6039806-\$.DID. OR | | | | |
| | | US-6110337-\$.DID. OR | | | | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.)) and | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1 or valve\$1) | | , | | |
| | | OI AMUIDOMAT OI AGIACAT) | | L | L | |

| S8 | 19 | ((((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/09/16 10:06 |
|-----|----------|---|-----------|----|-----|------------------|
| | | monitor\$6).ti.) or (("5412743" | USPAT; | | | |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | Ì | | |
| | | "6194240" "5446809" "6393172" | DERWENT | | | |
| ĺ | | "6603902" "6647046" "6744941" | | | | |
| 1 | | "5394488" "5619603" "5668901" | | | | |
| - | | "5889899" "6111996" "6144783" | • | | | |
| | | "6208773" "6243514" "5475780" | | 1 | | |
| - 1 | | "5570440" "4911516" "5832148" | | | | |
|] | | "4860294" "5457760" "5915051" | | | | |
| - 1 | | | | | | |
| | | "6052497" "4773063" "4815081" | | | | |
| 1 | | "5818986" "5838714" "5978530" | | | | |
| - 1 | | "6014480" "5515462" "5712932" | | | | |
| - 1 | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | | | | |
| | | `"5228103" "5457758" "5528616" | | | | |
| | | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | 1 | | |
| 1 | | "6069985").pn. ("6122430" | | | | |
| | | "6185230" ["] 4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693" | | | | |
| | | "5608571" "5647040" "5699468" | | | | |
| | | "5706375" "5737104" "5742714" | | | | |
| | | "5770466" "5805751" "5872649" | | | | |
| 1 | | "6008675" "6023545" "6101210" | | | | |
| | | "6125222" "6146713" "6178045" |] | | | |
| 1 | | "6195200" "6238485" "6238729" | | | | |
| | | | | | | |
| | | "6289699" "6292599" "6295149" | | | | |
| | | "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | | | | |
| ļ | | "6353690" "6360038" "6374019" | | | | |
| ŀ | | "6430341" "6445851" "6522812" | | 1 | | |
| | \ | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | | |
| | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | | | | • |
| | | US-4311725-\$.DID. OR | | | | |
| İ | | US-5000575-\$.DID. OR | | | | |
| | | US-5153669-\$.DID. OR | | | | |
| | | US-5241366-\$.DID. OR | | | | |
| | | US-5425964-\$.DID. OR | | | | |
| | | US-5523882-\$.DID. OR | | | | |
| | | | | | | |
| | | US-5684574-\$.DID. OR | | | | |
| | | US-5923429-\$.DID. OR | | 1 | | |
| | | US-6039806-\$.DID. OR | | | | 1 |
| | | US-6110337-\$.DID. OR | | | | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.)) and | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1 or valve\$1)) and | | | | |
| | | (collimator\$1 or ferrule\$1 or | | | | |
| | | ferule\$1 or lens\$3) and (fiber\$1 or | |]. | | |
| | | wave\$guide\$1 or pipe) | 1 | | | 1 |

| S9 | 4 | (((((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/09/16 09:46 |
|----------|--------------|--|-----------|-----|-----|------------------|
| | | monitor\$6).ti.) or (("5412743" | USPAT; | | | |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | | | |
| | | "6194240" "5446809" "6393172" | DERWENT | | | , |
| | | "6603902" "6647046" "6744941" | | | | |
| | | "5394488" "5619603" "5668901" | | | | |
| | | "5889899" "6111996" "6144783" | | | | |
| | | | | | | |
| | | "6208773" "6243514" "5475780" | • | | | |
| | | "5570440" "4911516" "5832148" | | | | |
| | | "4860294" "5457760" "5915051" | | | | |
| | | "6052497" "4773063" "4815081" | | | | |
| | | "5818986" "5838714" "5978530" | | | | |
| | | "6014480" "5515462" "5712932" | | | | |
| | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | | | | |
| | | "5228103" "5457758" "5528616" | | | | |
| | | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | | | |
| | | "6069985").pn. ("6122430" | : | | | |
| | • | "6185230" "4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693" | | | | |
| | | | | | | |
| | | "5608571" "5647040" "5699468" "5706375" "5737104" "5743714" | | | | |
| | | "5706375" "5737104" "5742714" | | | | |
| | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | | | |
| | | "6125222" "6146713" "6178045" | | | | |
| | | "6195200" "6238485" "6238729" | | | | |
| | | "6289699" "6292599" "6295149" | | | | |
| | | "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | | | | |
| | | "6353690" "6360038" "6374019" | | | | |
| | | "6430341" "6445851" "6522812" | | | | |
| | | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | | |
| | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | ! | |
| | | US-4140078-\$.DID. OR | | | | |
| | | US-4311725-\$.DID. OR | | | | |
| | • | US-5000575-\$.DID. OR | | | | |
| | | US-5153669-\$.DID. OR | | | | |
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| | | US-5241366-\$.DID. OR | | | | |
| | | US-5425964-\$.DID. OR | | | | |
| | | US-5523882-\$.DID. OR | | | | |
| | | US-5684574-\$.DID. OR | | | | |
| | | US-5923429-\$.DID. OR | | | | _ |
| | | US-6039806-\$.DID. OR | | | | |
| | | US-6110337-\$.DID. OR | | | | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.)) and | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1 or valve\$1)) and | | | | |
| | | (collimator\$1 or ferrule\$1 or | | | | |
| | | ferule\$1 or lens\$3) and (fiber\$1 or | | | | |
| | | wave\$guide\$1 or pipe)) not | | , , | | _ |
| | | (((((thin with film\$1 with | | | | |
| | | -monitor\$6).ti.) or (("5412743" /051578070" PEOF 3898"136041071" | | | | |
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| L:\APPS | \EAST\Worksp | ar 6194240" "5446809" "6393172" | | | | |
| 1 | | "660300" "6647046" "6744041" | | | | |
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| S10 | 11 | ("4288307" "4336119" | USPAT | OR | OFF | 2004/09/16 10:00 |
|-----|----|------------------------|-------|----|-----|------------------|
| | | "4676883" "4951663" | | | | |
| İ | | "4975168" "5002631" | | | | |
| | | "5154810" "5403433" | | | | |
| | | "5490912" "5766426" | | | | |
| | | "5822211").PN. | | | | |

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|-----|---------|--|--------------|-----|----------|------------------|
| S11 | 143 | (((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/09/16 10:06 |
| | | monitor\$6).ti.) or (("5412743" | USPAT; | | | |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | 1 | | |
| | | "6194240" "5446809" "6393172" | DERWENT | | | • |
| | | "6603902" "6647046" "6744941" | | | | |
| | | "5394488" "5619603" "5668901" | | | | |
| | | "5889899" "6111996" "6144783" | | [| | |
| | | "6208773" "6243514" "5475780" | | | | |
| | | "5570440" "4911516" "5832148" | | | | |
| : | | "4860294" "5457760" "5915051" | | | | |
| | | "6052497" "4773063" "4815081" | | | | |
| | | "5818986" "5838714" "5978530" | | | | |
| | | "6014480" "5515462" "5712932" | | | | |
| | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | | | | · |
| | | "5228103" "5457758" "5528616" | | | | |
| | | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | , | | | |
| | | "6069985").pn. ("6122430" | | | | |
| | | "6185230" "4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693". | | | | |
| | | | | | | |
| | | "5608571" "5647040" "5699468" "5706375" "5737104" "5743714" | | | | |
| | | "5706375" "5737104" "5742714" | | | | |
| 1 | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | | | |
| 1 | | "6125222" "6146713" "6178045" | | | | |
| | | "6195200" "6238485" "6238729" | | | 1 | |
| | | "6289699" "6292599" "6295149" | | | | , |
| | | "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | , | | | |
| | | "6353690" "6360038" "6374019" | ! | | | |
| | | "6430341" "6445851" "6522812" | | | | |
| | | "6567573" "6571034" "6574391" | | | | |
| | | ["6600852" "66 4 3424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | | |
| | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | | | | |
| | | US-4311725-\$.DID. OR | | | | |
| | | US-5000575-\$.DID. OR | | | | |
| | | US-5153669-\$.DID. OR | | | | . |
| | | US-5241366-\$.DID. OR | | 1 | 1 | |
| | | US-5425964-\$.DID. OR | | | | |
| | | US-5523882-\$.DID. OR | | | | |
| | | US-5684574-\$.DID. OR | | | | |
| | | US-5923429-\$.DID. OR | | | | |
| | | US-6039806-\$.DID. OR | | | | |
| | | US-6110337-\$.DID. OR | | | | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.)) and | | | | . |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1 or valve\$1 or | | | | |
| | 1 | mask\$6) | | | | |
| | <u></u> | mask\$0) | <u></u> | | <u> </u> | |

| S12 | 33 | ((((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/09/16 10:06 |
|-----|----|--|-----------|----|-----------|------------------|
| | | monitor\$6).ti.) or (("5412743" | USPAT; | | | |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | | | |
| | | "6194240" "5446809" "6393172" | DERWENT | | | |
| | | "6603902" "6647046" "6744941" | DERWENT | | | |
| | | | | | | |
| | | "5394488" "5619603" "5668901" | | | | |
| | | "5889899" "6111996" "6144783" | | | | |
| | | "6208773" "6243514" "5475780" | | | | |
| | | "5570440" "4911516" "5832148" | | | | |
| | | "4860294" "5457760" "5915051" | | | | |
| | | "6052497" "4773063" "4815081" | | | | |
| | | "5818986" "5838714" "5978530" | | ٠. | | |
| | | "6014480" "5515462" "5712932" | | · | | |
| | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | | | | |
| | | "5228103" "5457758" "5528616" | | | | |
| | | | | | | |
| | | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | | | |
| | · | "6069985").pn. ("6122430" | | İ | | |
| | | "6185230" "4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693" | | | | |
| | | "5608571" "5647040" "5699468" | | | | |
| | | "5706375" "5737104" "5742714" | | | | |
| | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | | | |
| | | "6125222" "6146713" "6178045" | | | | |
| | | "6195200" "6238485" "6238729" | | | : | |
| | | "6289699" "6292599" "6295149" | | | | |
| | | | | | | |
| | | [*] "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | | | , | |
| | | "6353690" "6360038" "6374019" | | | | • |
| | | "6430341" "6445851" "6522812" | | | | |
| | | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | | |
| | | "4852960").pn.) or | | | | , |
| | | (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | | | | |
| | | US-4311725-\$.DID. OR | | | | |
| | | · | | | | 1 |
| | | US-5000575-\$.DID. OR | ! | | | |
| | | US-5153669-\$.DID. OR | | | | ! |
| | | US-5241366-\$.DID. OR | | |]. | |
| | | US-5425964-\$.DID. OR | | | - | |
| | | US-5523882-\$.DID. OR | | | | |
| Ì | | US-5684574-\$.DID. OR | ; | | | |
| | | US-5923429-\$.DID. OR | | | | |
| | | US-6039806-\$.DID. OR | | | _ | |
| | | US-6110337-\$.DID. OR | İ | | | |
| J | | US-6278809-\$.DID. OR | | | | |
| j | İ | US-6338775-\$.DID.)) and | | | | |
| İ | | | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1 or valve\$1 or | | | | |
| | | mask\$6)) and (collimator\$1 or | | | | |
| | | ferrule\$1 or ferule\$1 or lens\$3) | | | | |
| 4 | | | | ı | | i . |
| j | | and (fiber\$1 or wave\$guide\$1 or | | | | |

| | T | | | | | |
|----------|-----------------------------|--|---------------------------------------|-----|----------|------------------|
| S13 | 14 | ((((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/09/16 10:38 |
| | | monitor\$6).ti.) or (("5412743" | USPAT; | | | ' ' |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | | | , [|
| | | "6194240" "5446809" "6393172" | DERWENT | | | |
| | | "6603902" "6647046" "6744941" | DEKWEN | | | |
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| | | "5394488" "5619603" "5668901" | | l . | | |
| | | "5889899" "6111996" "6144783" | | | | |
| | | "6208773" "6243514" "5475780" | | | | , |
| | | "5570440" "4911516" "5832148" | | | | |
| | | "4860294" "5457760" "5915051" | • | | | |
| | | "6052497" "4773063" "4815081" | | | | |
| | | "5818986" "5838714" "5978530" | | | | |
| | | "6014480" "5515462" "5712932" | | | | |
| | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | | | | |
| | | "5228103" "5457758" "5528616" | | | | |
| | - | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | | | |
| | | | | | | |
| | | "6069985").pn. ("6122430" | • | | | |
| | | "6185230" "4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693" | | | | |
| | | "5608571" "5647040" "5699468" | | | | |
| | | "5706375" "5737104" "5742714" | | | | |
| | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | | | |
| | | "6125222" "6146713" "6178045" | | | | |
| | | "6195200" "6238485" "6238729" | | | | |
| | | "6289699" "6292599" "6295149" | · | | | |
| | | "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | | | | |
| | | "6353690" "6360038" "6374019" | | | | |
| | | "6430341" "6445851" "6522812" | | | | |
| | | | | | | |
| | | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | | |
| | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | | | <u> </u> | |
| 1 | | US-4311725-\$.DID. OR | | | | |
| | | US-5000575-\$.DID. OR | | | | |
| | | US-5153669-\$.DID. OR | | | | |
| | | US-5241366-\$.DID. OR | | | | |
| | [| US-5425964-\$.DID. OR | | | | |
| | . | US-5523882-\$.DID. OR | | | | |
| | | US-5684574-\$.DID. OR | | | | |
| | | US-5923429-\$.DID. OR | | | | |
| 1 | | US-6039806-\$.DID. OR | | , | | |
| | | US-6110337-\$.DID. OR | | | | |
| • | | US-6278809-\$.DID. OR | | | | |
| | | • | | | | |
| | | US-6338775-\$.DID.)) and | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1 or valve\$1 or | | | | |
| | | mask\$6)) and (collimator\$1 or | | | | |
| | | ferrule\$1 or ferule\$1 or lens\$3) | | | | |
| | | and (fiber\$1 or wave\$guide\$1 or | | | | |
| | | pipe)) not (((((thin with film\$1 | | | | |
| Search H | liston: 12/1 | /,with monitor\$6).ti.) or | · · · · · · · · · · · · · · · · · · · | | <u> </u> | |
| | listory 12/1 EAST\Worksr | | | | | |
| C. WAPPS | LEY21 (AAOLK2) | 46041071 ^{R41} 6194240" "5446809" | | | | |
| | 1 | "6303177" "5603007" "5647046" | | | | · |
| | | | | | | |

| S14 | 29897 | (chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/16 10:42 |
|-----|-------|---|---|----|-----|------------------|
| S15 | 2403 | (chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) same (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) same (fiber\$1 or wave\$guide\$1) same (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/16 10:42 |
| S16 | 177 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:12 |
| S17 | 15 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (fiber\$7 with collimator\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/16 15:50 |
| S18 | 6 | 385/31-38, "138".ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/16 15:50 |
| S19 | 7328 | (385/31-38,138).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/16 15:50 |
| S20 | 2130 | ((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:42 |

| S21 | 177 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:24 |
|-----|-----|---|---|----|-----|------------------|
| S22 | 10 | ((((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and ((film with coat\$5) same monitor\$4)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:12 |
| S23 | 178 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:39 |

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|-----|-----|--|---|----|-------------|------------------|
| S24 | 178 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or door\$1 or opening\$1 or window\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) not ((((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and (film with coat\$5) same monitor\$4)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6))) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:26 |
| S25 | 1 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:26 |

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|-----|-------------|---|---|----|-----|------------------|
| S26 | 1 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or wave\$guide\$1) and (fiber\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) not (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and (thin with film with monitor\$6)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:40 |
| S27 | 550 | ((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:42 |
| S28 | 2 | ("6129807").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2004/09/17 14:48 |
| S29 | 2 | (("6129807") or ("6381021")).PN. | USPAT; USOCR | OR | OFF | 2004/09/20 09:52 |
| S30 | 15 | (((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1))) and ((film with coat\$5) same monitor\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 09:16 |

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|-----|----|--|-----------|----|-----|--|
| S31 | 85 | (((thin with film\$1 with | US-PGPUB; | OR | OFF | 2004/11/03 09:16 |
| | | monitor\$6).ti.) or (("5412743" | USPAT; | | | |
| | | "5852690" "5852688" "6041071" | EPO; JPO; | | | |
| | | "6194240" "5446809" "6393172" | DERWENT | | | |
| | | "6603902" "6647046" "6744941" | | | | |
| | | "539 44 88" "5619603" "5668901" | | | | |
| | | "5889899" "6111996" "6144783" | | | | |
| | | "6208773" "6243514" "5475780" | | | | |
| | | "5570440" "4911516" "5832148" | | | | |
| | | "4860294" "5457760" "5915051" | | | | |
| | | "6052497" "4773063" "4815081" | | | | |
| | | "5818986" "5838714" "5978530" | | | | |
| | | "6014480" "5515462" "5712932" | | | | |
| | | "5732102" "5796764" "5946129" | | | | |
| | | "6041070" "6228670" "4923271" | | | | |
| 1 | | "5228103" "5457758" "5528616" | | | | |
| | | "5636304" "5694248" "5712715" | | | | |
| | | "5721802" "5926599" "6005992" | | | | |
| | | "6069985").pn. ("6122430" | | | | |
| | | "6185230" "4881791" "4946245" | | | | |
| | | "4978187" "5416866" "5565693" | | | | |
| | | "5608571" "5647040" "5699468" | | | | |
| | | "5706375" "5737104" "5742714" | | | | |
| | | "5770466" "5805751" "5872649" | | | | |
| | | "6008675" "6023545" "6101210" | | | i | |
| | | "6125222" "6146713" "6178045" | | 1 | | |
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| 1 | | 6195200 6236465 6236729 "6289699" "6292599" "6295149" | | | | |
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| | | "6295304" "6301272" "6321001" | | | | |
| | | "6321008" "6327406" "6345136" | | | | |
| | | "6353690" "6360038" "6374019" | | | | |
| | 1 | "6430341" "6445851" "6522812" | | | | |
| | | "6567573" "6571034" "6574391" | | | | |
| | | "6600852" "6643424" "6771857" | | | | |
| | | "5351262" "5760419" "5894533" | | | | |
| | | "4852960").pn.) or | | | | |
| | | (US-3824017-\$.DID. OR | | | | |
| | | US-4140078-\$.DID. OR | |] | | |
| | | US-4311725-\$.DID. OR | | | | |
| | | US-5000575-\$.DID. OR | | | | |
| | | US-5153669-\$.DID. OR | | | ŧ | |
| | | US-5241366-\$.DID. OR | | | | 1 |
| | | US-5425964-\$.DID. OR | | | | |
| | | US-5523882-\$.DID. OR | | | | |
| | | US-5684574-\$.DID. OR | | | | |
| |] | US-5923429-\$.DID. OR | | | | |
| | | US-6039806-\$.DID. OR | | | | |
| | | US-6110337-\$.DID. OR | | | | |
| | | US-6278809-\$.DID. OR | | | | |
| | | US-6338775-\$.DID.)) and | | | | |
| | | (shutter\$1 or door\$1 or opening\$1 | | | | |
| | | or window\$1) | | | | |
| L | L | | L | l | L | <u> </u> |

| S32 | 7 | ((chamber\$1 or device or system or enclosure) and (support\$1 or | US-PGPUB; USPAT; | OR | OFF | 2004/11/03 09:17 |
|-----|-----|---|---|----|-----|------------------|
| | | bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or door\$1 or opening\$1 or window\$1 or valve\$1)) and ((thin with film\$1 with monitor\$6).ti.) | EPO; JPO; DERWENT | | | |
| S33 | 24 | (((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and ((film with coat\$5) same monitor\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 09:17 |
| S34 | 23 | ((385/31-38,138).ccls.) and (thin with film\$1 with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 09:18 |
| S35 | 104 | ((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 09:18 |
| S36 | 12 | ((((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) and ((film with coat\$5) same monitor\$4)) not (((chamber\$1 or enclosure\$1) and (support\$1 or bridge\$1 or pole\$1 or arm\$1 or bracket\$1) and (collimat\$6) and (fiber or wave\$guide\$1) and (shutter\$1 or opening\$1 or window\$1 or apature\$1))) and ((film with coat\$5) same monitor\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 09:22 |

| S37 | 25 | (((chamber\$1 or device or system or enclosure) and (support\$1 or bridge\$1 or arm\$1 or bracket\$1 or beam\$1) and (collimator\$1 or lens\$3 or ferule\$1 or ferrule\$1) and (fiber\$1 or wave\$guide\$1) and (shutter\$1 or valve\$1 or baffle\$1)) and (thin with film with monitor\$6)) and ((film with coat\$5) same monitor\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 09:22 |
|-----|-----|--|---|----|-----|------------------|
| S38 | 21 | (US-4888199-\$ or US-4951663-\$ or US-5490912-\$ or US-4336119-\$ or US-5684574-\$ or US-6338775-\$ or US-6110337-\$ or US-6278809-\$ or US-638806-\$ or US-6278809-\$ or US-4140078-\$ or US-4311725-\$ or US-5241366-\$ or US-6129807-\$ or US-6381021-\$ or US-4978187-\$ or US-5394488-\$).did. or (US-20040032591-\$ or US-20020075486-\$).did. or (US-6129807-\$).did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2004/11/03 09:45 |
| S39 | 291 | "L21" and fiber\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 09:47 |
| S40 | 15 | ((US-4888199-\$ or US-4951663-\$ or US-5490912-\$ or US-4336119-\$ or US-5684574-\$ or US-6338775-\$ or US-6110337-\$ or US-6278809-\$ or US-6278809-\$ or US-4140078-\$ or US-4311725-\$ or US-5241366-\$ or US-6129807-\$ or US-6381021-\$ or US-4978187-\$ or US-5394488-\$).did. or (US-20040032591-\$ or US-20020075486-\$).did. or (US-6129807-\$).did.) and fiber\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 10:11 |
| S41 | 6 | ((US-4888199-\$ or US-4951663-\$ or US-5490912-\$ or US-4336119-\$ or US-5684574-\$ or US-6338775-\$ or US-6110337-\$ or US-5923429-\$ or US-6039806-\$ or US-6278809-\$ or US-4140078-\$ or US-4311725-\$ or US-5241366-\$ or US-6129807-\$ or US-6381021-\$ or US-4978187-\$ or US-5394488-\$).did. or (US-20040008435-\$ or US-20040032591-\$ or US-20020075486-\$).did. or (US-6129807-\$).did.) and fiber\$1 and shutter\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 10:18 |

| S42 | 2 | ((US-4888199-\$ or US-4951663-\$ or US-5490912-\$ or US-4336119-\$ or US-5684574-\$ or US-6338775-\$ or US-6110337-\$ or US-6278809-\$ or US-6039806-\$ or US-6278809-\$ or US-4140078-\$ or US-4311725-\$ or US-5241366-\$ or US-6129807-\$ or US-6381021-\$ or US-4978187-\$ or US-5394488-\$).did. or (US-20040032591-\$ or US-20020075486-\$).did. or (US-6129807-\$).did.) and | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 10:18 |
|-----|---|---|---|----|-----|------------------|
| S43 | 2 | collimator ((US-4888199-\$ or US-4951663-\$ or US-5490912-\$ or US-4336119-\$ or US-5684574-\$ or US-6338775-\$ or US-6110337-\$ or US-5923429-\$ or US-6039806-\$ or US-6278809-\$ or US-4140078-\$ or US-4311725-\$ or US-5241366-\$ or US-6129807-\$ or US-6381021-\$ or US-4978187-\$ or US-20040008435-\$ or US-20040032591-\$ or US-20040032591-\$ or US-20020075486-\$).did. or (US-6129807-\$).did.) and collimator\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 10:19 |
| S44 | 2 | ((US-4888199-\$ or US-4951663-\$ or US-5490912-\$ or US-4336119-\$ or US-5684574-\$ or US-6338775-\$ or US-6110337-\$ or US-6278809-\$ or US-6039806-\$ or US-6278809-\$ or US-4140078-\$ or US-4311725-\$ or US-5241366-\$ or US-6129807-\$ or US-6381021-\$ or US-4978187-\$ or US-5394488-\$).did. or (US-20040008435-\$ or US-20040032591-\$ or US-20020075486-\$).did. or (US-6129807-\$).did.) and collimator\$1 and fiber\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/03 10:19 |